Abstract:

Method for the interferometric measurement of non-rotationally symmetric wavefront errors

(Fig. 2)

The method is used for the interferometric measurement, in particular for the interferometric absolute measurement, of non-rotationally symmetric wavefront errors on a specimen. The specimen can in this case be brought into a plurality of rotational positions, at least one measurement result being determined in each of the rotational positions. A mathematical evaluation of all measurement results is carried out in conclusion. The measurement is carried out in at least two measurement series (M, N). The measurement results ($M_1...M_m$, $N_1...N_n$) of each of the measurement series (M, N) are respectively determined in mutually equidistant rotational positions of the specimen. Each of the measurement series (M, N) comprises a specific number m, n of measurements. The individual numbers m, n are natural and mutually coprime numbers.